



Manufacturers' Shipments, Inventories, and Orders

November 1988

M3-1-(88)-11

U.S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmission 10:00 a.m. E.S.T. Wednesday, January 4, 1989

(All Figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in November increased \$0.6 billion or 0.3 percent to \$227.7 billion. Orders reached a high in June at \$228.1 billion, but have been somewhat volatile since then, averaging \$224.9 billion per month.

Shipments of manufactured goods were up \$1.2 billion or 0.5 percent in November to \$224.1 billion, following a 0.7 percent increase in October. Unfilled orders in November were up \$3.6 billion or 0.8 percent to \$460.9 billion, as incoming orders continue to exceed shipments. Since June when new orders peaked, unfilled orders have continued to grow an average of \$3.5 billion per month.

Manufacturers' inventories in November increased \$1.4 billion or 0.4 percent to \$350.9 billion. This is the smallest one-month increase since the 0.4 percent increase in April. The inventory to shipments ratio for the last three months has been flat at 1.57.

New Orders

Although total new orders were up slightly in November, the specific major industries showed more significant changes. Within durables, the largest increase was in electrical machinery, up \$1.6 billion or 8.3 percent to \$20.5 billion; most of the increase was in defense communication equipment. The largest decline was in transportation equipment, down \$2.1 billion or 6.1 percent to \$32.8 billion; virtually all categories except commercial aircraft declined.

Within nondurables, the largest increases were in chemicals and textile mill products, while the largest declines were in petroleum products and apparel.

Shipments

The increase in shipments in November was concentrated in the durable goods sector, up \$1.0 billion or 0.8 percent to \$119.4 billion. Most of the major industries had small increases. Primary metals were up \$0.3 billion or 2.6 percent; fabricated metals, \$0.3 billion or 2.1 percent; stone, clay and glass products, \$0.2 billion or 3.6 percent; and electrical machinery, \$0.1 billion or 0.7 percent. Transportation equipment was flat, while nonelectrical machinery declined \$0.2 billion or 1.0 percent.

Shipments of nondurables were up \$0.2 billion or 0.2 percent to \$104.7 billion. The largest increases were in chemicals, textiles, tobacco and paper; the largest declines were in petroleum, apparel and printing, and publishing.

Unfilled Orders

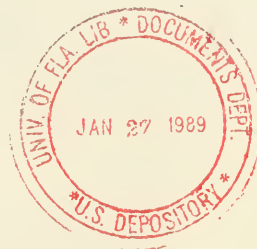
Unfilled orders for durable goods in November were up \$3.3 billion or 0.8 percent to \$440.1 billion. Over half of the increase was in transportation equipment, up \$1.9 billion or 0.9 percent; a large gain in commercial aircraft was partially offset by declines in aircraft and shipbuilding. Electrical machinery was up \$1.5 billion or 1.6 percent, with most of the increase for defense communication equipment.

Inventories

Inventories of durable goods were up \$1.5 billion or 0.7 percent to \$231.2 billion. The gain was concentrated in electrical machinery and transportation equipment. Nondurable inventories were relatively flat at \$119.6 billion, although petroleum products declined 0.4 billion or 4.0 percent.

By stage of fabrication, work in process of durable goods increased 1.1 percent and finished goods 0.5 percent; materials and supplies were unchanged. For nondurables, materials and supplies were up 0.3 percent; work in process down 0.2 percent, and finished goods down 0.4 percent.

SCHEDULED RELEASE DATES. The advance report on durable goods for December is scheduled for January 26, 1989 at 8:30 a.m. and the full report on February 3, 1989 at 10:00 a.m.



Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service—CENDATA. The online version of the report can be read from a terminal screen, printed on—or off—line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹						
		Monthly			Percent change				Monthly			Percent change		Year to date	
		Nov. 1988P	Oct. 1988P	Sept. 1988	Oct.-Nov. P	Sept.-Oct. P	Aug.-Sept. P		Nov. 1988P	Oct. 1988P	Sept. 1988	Nov. 1987P	Oct. 88/87	1988P	1987P
	All manufacturing industries	224,135	222,917	221,395	+0.5	+0.7	-0.1		222,584	229,541	234,386	204,204	+9.0	2,385,304	2,187,184
	Manufacturing industries with unfilled orders	124,176	123,472	123,757	+0.6	-0.2	+0.7		124,059	126,925	131,908	113,552	+9.3	1,319,039	1,199,724
	Durable goods industries	119,439	118,439	118,030	+0.8	+0.3	+0.1		118,499	122,606	125,058	107,526	+10.2	1,265,592	1,154,502
	With unfilled orders	97,775	97,164	97,528	+0.6	-0.5	+1.0		97,460	99,439	104,359	88,407	+10.2	1,034,398	936,490
32	Stone, clay, and glass products	5,638	5,442	5,399	+3.2	+0.8	-0.7		5,564	5,745	5,852	5,241	+6.2	59,286	57,493
33	Primary metals	12,692	12,369	12,334	+2.6	+0.3	+2.9		12,314	12,614	12,614	10,672	+15.4	130,406	106,327
331	Blas furnaces, steel mills	5,210	5,151	5,211	+1.1	-1.2	+2.4		4,955	5,187	5,193	4,710	+5.2	56,124	46,151
332	Iron and steel foundries	879	885	952	-0.7	-7.0	+7.8		888	960	934	823	+7.9	9,566	8,917
333-9	Nonferrous and other primary metals	6,603	6,333	6,171	+4.3	+2.6	+2.6		6,471	6,467	6,487	5,139	+25.9	64,716	51,259
34	Fabricated metal products	12,381	12,123	12,049	+2.1	+0.6	+1.5		12,041	12,736	12,696	10,999	+9.5	132,139	124,615
35	Machinery, except electrical	20,764	20,970	21,224	-1.0	-1.2	-1.2		19,989	20,841	23,111	17,945	+11.4	223,331	195,759
351	Engines and turbines	1,355	1,397	1,418	-3.0	-1.5	-4.4		1,352	1,306	1,476	1,301	+3.9	14,355	12,858
353	Construction, mining, and material handling equipment	2,437	2,517	2,545	-3.2	-1.1	-0.9		2,437	2,492	2,559	2,360	+3.3	27,491	23,512
354	Metalworking machinery	990	924	921	+7.1	-6.9	+0.4		1,039	1,010	1,035	903	+15.1	10,213	8,718
357	Office and computing machines	5,488	5,653	5,777	-2.9	-2.1	-1.2		5,488	5,102	7,327	5,130	+7.0	59,909	57,956
36	Electrical machinery	19,062	18,931	19,354	+0.7	-2.2	+1.2		19,647	19,222	21,239	18,708	+5.0	206,415	191,708
361,2	Electrical transmission and distribution equipment and industrial apparatus	2,405	2,444	2,368	-1.6	+3.2	+3.3		2,386	2,456	2,611	2,221	+7.4	25,220	23,717
363	Household appliances	1,467	1,462	1,570	+0.3	-0.3	+0.4		1,379	1,521	1,759	1,407	+2.0	16,722	16,664
365	Radio and TV	1,085	1,025	1,056	+5.9	-2.9	-0.4		1,226	1,198	1,343	1,135	+8.0	10,723	10,637
366	Communication equipment	6,066	6,087	6,244	-0.3	-2.5	+2.1		6,268	5,862	6,777	6,143	+2.0	66,523	63,542
367	Electronic components	4,547	4,678	4,752	-2.8	-1.6	+2.1		4,547	4,637	5,017	4,244	+7.1	50,230	42,977
364,9	Other electrical machinery	3,492	3,235	3,364	+7.9	-3.8	-2.4		3,841	3,548	3,732	3,558	+8.0	36,997	34,171
37	Transportation equipment	30,908	30,924	29,960	+0.1	+3.2	-2.4		31,401	32,582	30,570	27,375	+14.7	320,001	295,813
371	Motor vehicles and parts	19,552	19,585	18,700	-0.2	+4.7	-3.4		20,046	21,348	19,156	17,067	+17.5	201,234	182,994
372,6	Aircraft, missiles, and parts	9,128	9,260	9,078	-1.4	+2.0	-1.9		9,294	9,122	9,262	8,658	+7.3	96,068	92,546
3731,95	Shipbuilding and military tank vehicles	867	837	934	+3.6	-10.4	+16.9		880	819	941	773	+13.8	9,260	8,923
38	Instruments and related products	5,940	6,057	6,147	-1.9	-1.5	+1.6		5,871	6,150	6,545	5,686	+3.3	65,903	60,946
381-4	Scientific and engineering instruments	3,987	4,096	4,186	-2.7	+2.2	+1.6		3,788	4,093	4,402	3,683	+2.9	44,473	40,721
386	Photographic goods	1,809	1,810	1,803	-0.1	+0.4	+1.7		1,936	1,886	1,976	1,801	+7.5	19,538	18,044
24,25, 39	All other durable goods	12,054	11,623	11,563	+3.7	+0.5	+3.0		11,672	12,716	12,431	10,900	+7.1	128,111	121,841
	Nondurable goods industries	104,696	104,478	103,365	+0.2	+1.1	-0.5		104,085	106,935	109,328	96,678	+7.7	1,119,712	1,032,682
	With unfilled orders	26,401	26,308	26,129	+0.4	+0.7	-0.4		26,599	27,459	27,549	25,145	+5.8	284,101	263,226
20	Food and kindred products	30,662	30,564	30,339	+0.3	+0.7	+0.2		30,662	31,339	32,455	27,716	+10.6	326,165	297,470
202	Dairy products	4,176	4,172	4,197	+0.1	-0.6	+1.6		4,134	4,107	4,273	3,956	+4.5	44,768	43,217
208	Beverages	4,114	3,904	4,034	+5.4	-3.2	+0.2		3,867	3,913	4,118	3,473	+11.3	44,097	41,493
203-6,9	All other foods	14,467	14,372	14,089	+0.7	+2.0	-0.6		14,756	14,838	15,756	12,746	+15.8	150,358	129,871
21	Tobacco products	2,172	1,911	2,021	+13.7	-5.4	+9.5		2,237	1,696	2,353	2,007	+11.5	19,769	17,613
22	Textile mill products	5,131	4,890	5,047	+4.9	-3.1	+1.8		5,134	5,243	5,599	4,874	+5.3	54,569	53,055
221-4,6, 8,9	Broadwoven fabrics	3,095	2,952	3,030	+4.8	-2.6	-0.7		3,033	3,069	3,398	3,020	+0.4	33,269	32,814
26	Paper and allied products	10,793	10,669	10,550	+1.2	+1.1	-0.2		10,419	10,727	10,782	9,360	+11.3	113,705	100,778
261-3,6	Pulp, paper etc.	4,850	4,761	4,711	+1.9	+1.1	+0.0		4,707	4,725	4,703	4,079	+15.4	50,465	42,807
265	Paperboard containers	2,666	2,632	2,635	+1.3	-0.1	-0.3		2,559	2,704	2,751	2,237	+14.4	28,032	24,557
264	All other paper products	3,277	3,276	3,204	0.0	+2.2	-0.6		3,153	3,298	3,328	3,044	+3.6	35,208	33,414
28	Chemicals and allied products	21,287	20,948	20,144	+1.6	+4.0	-2.6		19,965	20,269	21,051	17,600	+13.4	219,940	194,652
281,6	Industrial chemicals, except pigments	6,122	5,987	5,772	+2.3	+3.7	+0.4		5,938	5,850	5,836	4,896	+21.3	61,918	54,435
283,4	Drugs, soaps, and toiletries	6,302	6,302	5,956	0.0	+5.8	-8.5		5,987	6,225	7,003	5,415	+10.6	66,660	61,319
282,9	Other chemical products	5,699	5,660	5,420	+0.7	+4.4	-0.6		5,528	5,654	5,541	5,062	+9.2	59,463	53,341
29	Petroleum and coal products	9,855	10,238	10,256	-3.7	-0.2	-2.7		10,097	10,430	10,365	10,699	+5.6	113,832	114,287
30	Rubber and plastics products	7,904	7,893	7,855	+0.1	+0.5	-0.5		7,813	8,335	8,159	6,942	+12.5	83,660	74,176
32,27, 31	All other nondurable goods	16,892	17,365	17,153	-2.7	+1.2	+0.4		17,758	18,896	18,564	17,480	+1.6	188,072	180,651
	Market categories:														
	Home goods and apparel	14,490	14,386	14,328	+0.7	+0.4	+1.8		14,988	15,954	16,326	14,241	+5.2	158,010	153,316
	Consumer staples	43,126	42,969	42,458	+0.4	+1.2	-0.9		43,356	43,729	46,141	39,751	+9.1	457,401	421,241
	Equipment and defense products, except automotive	36,282	36,395	37,042	-0.3	-1.7	+1.5		35,534	35,875	40,023	32,533	+9.2	389,965	351,982
	Automotive equipment	22,260	22,076	21,188	+0.8	+4.2	-3.2		22,521	24,055	21,733	19,056	+18.2	228,033	207,213
	Construction materials, supplies and intermediate products	17,439	17,113	17,045	+1.9	+0.4	+0.5		16,751	18,288	18,268	16,049	+4.4	188,710	177,850
	Other materials, supplies, and intermediate products	90,538	89,978	89,334	+0.6	+0.7	-0.1		89,434	91,640	91,895	82,574	+8.3	963,185	875,582
	Supplementary series: ²														
	Capital goods industries	40,975	41,026	41,353	-0.1	-0.8	-0.2		41,157	40,795	44,647	37,994	+8.3	437,946	401,298
	Nondefense	32,425	32,595	32,523	-0.5	+0.2	+0.3		32,122	32,320	35,621	28,607	+12.3	343,425	302,778
	Excluding aircraft and parts	27,965	27,936	28,262	+0.1	-1.2	-0.3		27,744	27,897	31,250	25,195	+10.1	299,416	266,660
	Defense	8,550	8,431	8,830	+1.4	-4.5	-2.3		9,035	8,475	9,026	9,387	-3.7	94,521	98,520
	Household durable goods industries	6,919	6,671	6,638	+3.7	+0.5	+1.0		7,081	7,323	7,755	6,537	+8.3	72,950	69,973

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

SIC Code	Industry	(Millions of dollars)													
		Seasonally adjusted							Not seasonally adjusted ¹						
		Monthly			Percent change				Monthly				Percent change	Year to date	
		Nov. 1988P	Oct. 1988P	Sept. 1988	Oct.-Nov. 7	Sept.-Oct.	Aug.-Sept.		Nov. 1988P	Oct. 1988P	Sept. 1988	Nov. 1987P	Nov. 88/87	1988P	1987P
	All manufacturing industries	227,725	227,095	222,669	+0.3	+2.0	-1.9	224,440	231,583	234,757	206,442		+8.7	2,423,020	2 216,302
	Manufacturing industries with unfilled orders.....	127,766	127,650	125,031	+0.1	+2.1	-2.5	125,915	128,967	132,279	115,790		+8.7	1,356,755	1,228,842
	Durable goods industries.....	122,772	122,791	119,321	0.0	+2.9	-2.8	120,736	125,170	125,584	110,339		+9.4	1,302,817	1,179,696
	With unfilled orders.....	101,108	101,516	98,919	-0.4	+2.6	-2.7	99,697	102,030	104,885	91,220		+9.3	1,072,163	961,692
32	Stone, clay, and glass products.....	5,711	5,435	5,364	+5.1	+1.3	-2.8	5,639	5,588	5,766	5,251		+7.4	59,992	57,654
33	Primary metals.....	12,529	12,428	12,496	+0.8	-0.5	+6.0	12,093	12,370	12,205	10,847		+11.5	131,067	110,420
331	Blast furnaces, steel mills.....	4,913	4,730	5,301	+3.9	-10.8	+10.7	4,781	4,590	4,978	5,116		-6.5	54,705	48,164
332	Iron and steel foundries.....	871	903	974	-3.5	-7.3	+7.2	873	991	960	884		-1.2	9,849	9,084
333-9	Nonferrous and other primary metals.....	6,745	6,795	6,221	-0.7	+9.2	+2.0	6,439	6,789	6,267	4,847		+32.8	66,513	53,172
34	Fabricated metal products.....	12,155	12,026	12,007	+1.1	+0.2	+3.2	11,818	12,388	12,417	11,032		+7.1	130,510	125,932
35	Machinery, except electrical....	21,123	21,181	21,459	-0.3	-1.3	-6.1	20,548	20,677	23,003	18,339		+12.0	230,736	200,267
351	Engines and turbines.....	1,350	1,399	1,593	-3.5	-12.2	+15.3	1,370	1,426	1,676	1,345		+1.9	14,483	13,302
353	Construction, mining, and material handling equipment....	2,337	2,722	2,614	-14.1	+4.1	-3.8	2,391	2,683	2,658	2,419		-1.2	28,338	23,785
354	Metalworking machinery.....	1,222	1,025	1,010	+19.2	+1.5	-11.0	1,245	955	1,134	858		+45.1	12,127	8,716
357	Office and computing machines.....	5,475	5,514	5,225	-0.7	+5.5	-16.1	5,546	4,867	6,455	5,105		+6.6	59,961	54,030
36	Electrical machinery.....	20,549	18,977	18,629	+8.3	+1.9	-2.1	19,839	19,185	20,939	18,880		+5.1	206,928	193,387
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	2,339	2,609	2,267	-10.3	+15.1	-10.6	2,316	2,601	2,490	2,228		+3.9	25,743	24,067
366	Communication equipment.....	7,671	6,080	5,584	+26.2	+8.9	-5.6	7,059	6,088	6,795	6,234		+13.2	65,690	63,598
367	Electronic components.....	4,617	4,367	4,823	+1.1	-9.5	+8.9	4,152	4,154	4,807	4,379		-5.2	50,366	44,237
364,9	Other electrical machinery....	3,551	3,414	3,359	+4.0	+1.6	-3.8	3,742	3,725	3,738	3,544		+5.6	37,631	34,400
37	Transportation equipment.....	32,765	34,898	31,617	-6.1	+10.4	-8.9	33,732	36,378	32,788	29,894		+12.8	348,960	306,694
372,6	Aircraft, missiles, and parts.....	11,159	12,005	11,504	-7.0	+4.4	-9.0	11,794	11,725	11,887	10,041		+17.5	119,112	100,967
3731,95	Shipbuilding and military tank vehicles.....	691	2,109	-60	-67.2	(N)	-104.4	721	2,082	417	1,966		-63.3	14,725	10,559
38	Instruments and related products	6,068	6,252	6,104	-2.9	+2.4	+3.2	5,936	6,250	6,437	5,603		+5.9	66,410	61,870
381-4	Scientific and engineering instruments.....	4,069	4,291	4,101	-5.2	+4.6	+2.7	3,879	4,270	4,246	3,738		+3.8	45,009	41,489
24,25, 29	All other durable goods.....	11,872	11,594	11,644	+2.4	-0.4	+2.5	11,131	12,334	12,029	10,493		+6.1	128,214	123,472
	Nondurable goods industries.....	104,953	104,304	103,348	+0.6	+0.9	-0.8	103,704	106,413	109,173	96,103		+7.9	1,120,203	1,036,606
	With unfilled orders.....	26,658	26,134	26,112	+2.0	+0.1	-1.8	26,218	26,937	27,394	24,570		+6.7	284,592	267,150
	Market categories:														
	House goods and apparel.....	14,399	14,264	14,502	+0.9	-1.6	+2.3	14,264	15,221	15,974	13,723		+3.9	157,920	155,311
	Consumer staples.....	43,118	42,936	42,456	+0.4	+1.1	-1.0	43,356	43,660	46,123	39,764		+9.0	457,523	421,106
	Equipment and defense products, except automotive.....	40,369	39,164	36,343	+3.1	+7.8	-7.5	39,805	38,167	40,316	36,105		+10.2	414,337	366,675
	Automotive equipment.....	22,345	22,063	21,200	+1.3	+4.1	-2.4	22,594	24,015	21,636	19,008		+18.9	227,453	207,553
	Construction materials, supplies and intermediate products.....	17,424	17,190	17,001	+1.4	+1.1	-0.1	16,696	18,098	18,023	16,144		+3.4	189,258	177,560
	Other materials, supplies, and intermediate products.....	90,070	91,478	91,167	-1.5	+0.3	-0.8	87,725	92,422	92,685	81,698		+7.4	976,529	888,097
	Supplementary series: ²														
	Capital goods industries.....	44,579	45,318	42,330	-1.6	+7.1	-9.6	44,550	44,799	46,619	41,205		+8.1	472,896	418,645
	Nondefense.....	35,669	34,623	34,858	+3.0	-0.7	-10.2	35,267	34,036	37,803	30,643		+15.1	376,984	320,170
	Excluding aircraft and parts	28,305	28,752	28,628	-1.6	+0.4	-6.2	27,985	28,403	31,463	25,815		+8.4	309,061	272,691
	Defense.....	8,910	10,695	7,471	-16.7	+43.2	-7.0	9,283	10,763	6,816	10,562		-12.1	95,912	98,475
	Household durable goods industries.....	6,757	6,590	6,786	+2.5	-2.9	+1.8	6,519	6,789	7,469	6,173		+5.6	72,887	70,778

¹Preliminary. ²Revised. (N) When new orders for a prior month are negative because of cancellations or as a result of seasonal adjustment, the percentage change calculation is algebraically negative even though there is a net dollar increase from the prior month to the current month.

³Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are, as of the end of the period and are not adjusted for trading-day or calendar-month variations.

The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, *Shipments to Federal Government Agencies*.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

SIC Code	Industry	(Millions of dollars)										
		Seasonally adjusted						Not seasonally adjusted ¹				
		End of month			Percent change			End of month				Percent change
		Nov. 1988P	Dec. 1988 ^F	Sept. 1988	Dec.- Nov.P	Sept.- Oct.F	Aug.- Sept.	Nov. 1988P	Dec. 1988 ^F	Sept. 1988	Nov. 1988 ^F	
	All manufacturing industries.....	460,871	457,281	453,103	+0.8	+0.9	+0.3	453,714	451,858	449,816	441,564	+10.2
	Durable goods industries.....	440,067	436,734	432,382	+0.8	+1.0	+0.3	433,788	431,551	428,987	392,013	+10.7
32	Stone, clay, and glass products.....	5,962	5,889	5,896	+1.2	-0.1	-0.6	5,783	5,708	5,865	5,228	+10.6
33	Primary metals.....	25,310	25,473	25,414	-0.6	+0.2	+0.6	23,839	24,060	24,304	21,773	+9.5
331	Blast furnaces, steel mills.....	10,713	11,010	11,431	-2.7	-3.7	+0.8	10,006	10,180	10,777	10,526	-4.9
332	Iron and steel foundries.....	2,236	2,244	2,226	-0.4	+0.8	+1.0	2,214	2,229	2,198	1,966	+12.6
333-9	Nonferrous and other primary metals.....	12,361	12,219	11,757	+1.2	+3.9	+0.4	11,619	11,651	11,329	9,281	+25.2
34	Fabricated metal products.....	28,314	28,540	28,637	-0.8	-0.3	-0.1	28,020	28,243	28,591	29,477	-4.9
35	Machinery, except electrical.....	59,706	59,347	59,136	+0.6	+0.4	+0.4	59,396	58,837	59,001	52,063	+14.1
351	Engines and turbines.....	5,255	5,260	5,258	-0.1	0.0	+3.4	5,450	5,432	5,312	5,560	-2.0
353	Construction, mining, and material handling equipment.....	7,980	8,080	7,875	-1.2	+2.6	+0.9	7,900	7,946	7,755	6,591	+19.9
354	Metalworking machinery.....	4,604	4,372	4,271	+5.3	+2.4	+2.1	4,650	4,444	4,499	2,863	+62.4
357	Office and computing machines.....	13,568	13,581	13,720	-0.1	-1.0	-3.9	13,568	13,510	13,745	14,065	-3.5
36	Electrical machinery.....	94,005	92,518	92,472	+1.6	0.0	-0.8	92,657	92,465	92,502	92,076	+6
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,930	6,996	6,831	-0.9	+2.4	-1.5	6,909	6,979	6,834	6,496	+6.4
366	Communication equipment.....	66,191	64,586	64,593	+2.5	0.0	-1.0	65,529	64,738	64,512	66,353	-1.2
367	Electronic components.....	15,082	15,212	15,523	-0.9	-2.0	+0.5	14,679	14,874	15,357	14,233	+1.7
364,9	Other electrical machinery.....	4,796	4,737	4,558	+1.2	+3.9	+0.1	4,748	4,847	4,670	3,977	+19.4
37	Transportation equipment.....	205,507	203,650	199,676	+0.9	+2.0	-0.8	203,668	201,337	197,541	171,031	+19.1
372,6	Aircraft, missiles, and parts.....	170,152	168,121	165,376	+1.2	+1.7	+1.5	168,450	165,950	163,347	141,087	+19.4
3731,95	Shipbuilding and military tank vehicles.....	24,205	24,381	23,109	-0.7	+5.5	-4.1	24,244	24,403	23,140	19,728	+22.9
38	Instruments and related products.....	14,092	13,964	13,769	+0.9	+1.4	-0.3	14,005	13,940	13,840	13,364	+4.8
381-4	Scientific and engineering instruments.....	13,096	13,014	12,819	+0.6	+1.5	-0.7	13,096	13,005	12,848	12,389	+5.7
24,25, 39	All other durable goods.....	7,171	7,353	7,382	-2.5	-0.4	+1.1	6,420	6,961	7,343	7,001	-8.3
	Nondurable goods industries.....	20,804	20,547	20,721	+1.3	-0.8	-0.1	19,926	20,307	20,829	19,551	+1.9
	Market categories:											
	Home goods and apparel.....	8,082	8,173	8,295	-1.1	-1.5	+2.1	6,988	7,712	8,445	7,843	-10.9
	Consumer staples.....	840	848	881	-0.9	-3.7	-0.2	790	790	859	806	+30.4
	Equipment and defense products, except automotive.....	278,746	274,659	271,890	+1.5	+1.0	-0.3	276,564	272,293	270,001	248,526	+11.3
	Automotive equipment.....	8,799	8,714	8,727	+1.0	-0.1	+0.1	8,623	8,550	8,590	9,069	-4.9
	Construction materials, supplies and intermediate products.....	15,512	15,527	15,450	-0.1	+0.5	-0.3	15,143	15,198	15,388	14,505	+4.4
	Other materials, supplies, and intermediate products.....	148,892	149,360	147,860	-0.3	+1.0	+1.3	145,606	147,315	146,533	131,015	+11.1
	Supplementary series: ²											
	Capital goods industries.....	338,531	334,927	330,635	+1.1	+1.3	+0.3	335,932	332,539	328,535	297,698	+12.8
	Nondefense.....	172,815	169,571	167,543	+1.9	+1.2	+1.4	172,419	169,274	167,558	135,964	+26.8
	Excluding aircraft and parts.....	87,753	87,413	86,595	+0.4	+0.9	+0.4	87,357	87,116	86,610	77,541	+12.7
	Defense.....	165,716	165,356	163,092	+0.2	+1.4	-0.8	163,513	163,265	160,977	161,734	+1.1
	Household durable goods industries.....	5,722	5,884	5,965	-2.8	-1.4	+2.5	4,884	5,446	5,980	5,527	-11.6

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)													
SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted ¹					Percent change
		End of month			Percent change			End of month					
		Nov. 1988P	Oct. 1988P	Sept. 1988	Oct.- Nov.P	Sept.- Oct.P	Aug.- Sept.	Nov. 1988P	Oct. 1988P	Sept. 1988	Nov. 1987P	Nov. 88/87P	
	All manufacturing industries.....	350,852	349,412	347,785	+0.4	+0.5	+0.6	349,576	348,699	346,388	327,519	+6.7	
	Manufacturing industries with unfilled orders.....	243,602	241,922	240,695	+0.7	+0.5	+0.7	242,155	241,558	240,686	224,848	+7.7	
	Durable goods industries.....	231,239	229,735	228,214	+0.7	+0.7	+0.7	230,323	229,283	227,815	214,125	+7.6	
	With unfilled orders.....	213,178	211,676	210,458	+0.7	+0.6	+0.8	212,458	211,828	210,570	197,295	+7.7	
32	Stone, clay, and glass products.....	7,431	7,551	7,389	-1.6	+2.2	+1.3	7,230	7,245	7,207	6,977	+3.6	
33	Primary metals.....	19,999	19,825	19,544	+0.9	+1.4	+1.5	19,961	19,764	19,552	17,818	+12.1	
331	Blast furnaces, steel mills.....	9,703	9,677	9,551	+0.3	+1.3	+2.1	9,897	9,810	9,667	8,514	+16.2	
332	Iron and steel foundries.....	1,323	1,303	1,283	+1.5	+1.6	-1.1	1,270	1,250	1,246	1,240	+2.4	
333-9	Nonferrous and other primary metals.....	8,973	8,845	8,710	+1.4	+1.5	+1.3	8,794	8,704	8,639	8,064	+9.1	
34	Fabricated metal products.....	23,374	23,430	23,496	-0.2	-0.3	+1.0	23,099	23,165	23,297	22,248	+3.8	
35	Machinery, except electrical.....	46,020	45,992	45,797	+0.1	+0.4	+1.5	46,042	45,836	45,416	41,494	+11.0	
351	Engines and turbines.....	3,104	3,055	3,004	+1.6	+1.7	+2.1	3,186	3,132	3,031	2,712	+17.5	
353	Construction, mining, and material handling equipment.....	7,464	7,407	7,263	+0.8	+2.0	+0.3	7,464	7,379	7,213	6,476	+15.3	
354	Metalworking machinery.....	2,951	3,098	3,152	-4.7	-1.7	+2.6	2,951	3,098	3,140	2,670	+10.5	
357	Office and computing machines.....	11,966	11,931	11,784	+0.3	+1.2	+1.5	11,966	11,971	11,710	10,525	+13.7	
36	Electrical machinery.....	40,670	40,010	39,797	+1.6	+0.5	0.0	40,241	39,990	39,850	38,941	+3.3	
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,142	5,055	5,083	+1.7	-0.6	+0.8	5,073	5,014	5,069	4,840	+4.8	
363	Household appliances.....	2,856	2,759	2,736	+3.5	+0.9	-3.0	2,685	2,617	2,569	2,462	+9.9	
365	Radio and TV.....	1,421	1,405	1,380	+1.1	+1.8	+0.7	1,378	1,393	1,407	1,418	-2.8	
366	Communication equipment.....	16,147	16,033	16,042	+0.7	-0.1	-0.6	16,215	16,209	16,211	16,670	-2.7	
367	Electronic components.....	8,852	8,569	8,468	+3.3	+1.2	+0.7	8,763	8,577	8,472	7,628	+14.9	
367,9	Other electrical machinery.....	6,252	6,189	6,090	+1.0	+1.6	+1.3	6,127	6,180	6,122	5,723	+7.1	
37	Transportation equipment.....	62,170	61,578	60,933	+1.0	+1.1	+0.5	62,822	62,364	61,511	57,445	+9.4	
371	Motor vehicles and parts.....	11,846	11,657	11,568	+1.6	+0.8	-0.4	12,062	11,710	11,647	11,519	+6.7	
372,6	Aircraft, missiles, and parts.....	46,007	45,544	45,105	+1.0	+1.0	+0.7	46,376	46,242	45,584	41,901	+10.7	
372,91	Shipbuilding and military tank vehicles.....	2,284	2,257	2,151	+1.2	+4.9	-0.7	2,326	2,341	2,189	2,053	+13.3	
38	Instruments and related products.....	13,778	13,578	13,513	+1.5	+0.5	+0.4	13,658	13,587	13,521	12,493	+9.3	
381-4	Scientific and engineering instruments.....	9,990	9,900	9,877	+0.9	+0.2	-0.1	9,990	9,941	9,899	9,274	+7.7	
386	Photographic goods.....	3,184	3,089	3,034	+3.1	+1.8	+1.5	3,088	3,074	3,009	2,592	+19.1	
24,25, 39	All other durable goods.....	17,797	17,771	17,745	+0.1	+0.1	-0.3	17,270	17,332	17,461	16,709	+3.4	
	Nondurable goods industries.....	119,613	119,677	119,571	-0.1	+0.1	+0.3	119,253	119,416	118,573	113,394	+5.2	
	With unfilled orders.....	30,424	30,246	30,237	+0.6	0.0	+0.4	29,697	29,730	30,116	27,553	+7.8	
20	Food and kindred products.....	25,797	25,791	25,742	0.0	+0.2	+0.2	27,105	26,978	25,971	25,779	+5.1	
202	Dairy products.....	2,334	2,291	2,283	+1.9	+0.4	+1.5	2,311	2,305	2,268	2,192	+5.4	
208	Beverages.....	4,503	4,469	4,500	+0.8	-0.7	+2.0	4,458	4,400	4,435	4,521	-1.4	
203-6,9	All other foods.....	14,503	14,641	14,638	-0.9	0.0	-0.5	15,518	15,829	15,332	15,112	+2.7	
21	Tobacco products.....	5,735	5,810	5,763	-1.3	+0.8	-1.5	5,735	5,872	5,574	5,671	+1.1	
22	Textile mill products.....	7,699	7,620	7,545	+1.0	+1.0	-2.5	7,462	7,406	7,408	7,298	+2.2	
221-4,6, 8,9	Broadwoven fabrics.....	4,456	4,414	4,402	+1.0	+0.3	-2.8	4,367	4,281	4,314	4,322	+1.0	
26	Paper and allied products.....	11,901	11,835	11,775	+0.6	+0.5	+1.1	11,719	11,543	11,537	10,822	+8.3	
261-3,6	Pulp, paper etc.....	4,217	4,196	4,185	+0.5	+0.3	+1.7	4,133	4,082	4,068	3,723	+11.0	
265	Paperboard containers.....	3,255	3,254	3,240	0.0	+0.4	+0.6	3,157	3,150	3,188	2,911	+8.5	
264	All other paper products.....	4,429	4,385	4,350	+1.0	+0.8	+0.9	4,429	4,311	4,281	4,188	+5.8	
28	Chemicals and allied products.....	27,232	27,060	26,882	+0.6	+0.7	+1.3	27,019	26,726	26,338	24,603	+9.8	
281,6	Industrial chemicals, except pigments.....	7,159	7,056	6,987	+1.5	+1.0	+1.6	7,087	6,995	6,938	6,457	+9.8	
283,4	Drugs, soaps, and toiletries.....	9,558	9,539	9,544	+0.2	-0.1	+0.8	9,558	9,455	9,299	8,723	+9.6	
282,9	Other chemical products.....	6,961	6,870	6,743	+1.3	+1.9	+1.5	6,752	6,660	6,576	5,872	+15.0	
29	Petroleum and coal products.....	8,725	9,092	9,336	+4.0	-2.6	-1.9	9,105	9,268	9,341	10,497	-13.3	
30	Rubber and plastics products.....	10,322	10,298	10,089	+0.2	+2.1	+2.5	9,967	9,941	9,896	8,770	+13.6	
23,27, 31	All other nondurable goods.....	22,202	22,171	22,439	+0.1	-1.2	+0.3	21,141	21,682	22,508	19,954	+5.9	
	Market categories:												
	Home goods and apparel.....	26,506	26,328	26,478	+0.7	-0.6	-0.7	25,142	25,472	26,038	24,993	+6	
	Consumer staples.....	44,328	44,367	44,282	-0.1	+0.2	+0.3	45,158	45,372	44,412	42,924	+5.2	
	Equipment and defense products, except automotive.....	103,055	102,586	101,871	+0.5	+0.7	+0.8	103,412	103,144	101,846	95,692	+8.1	
	Automotive equipment.....	14,619	14,533	14,415	+0.6	+0.8	0.0	14,796	14,448	14,426	14,195	+4.2	
	Construction materials, supplies and intermediate products.....	25,230	25,392	25,184	-0.6	+0.8	+0.2	24,648	24,671	24,692	23,503	+4.9	
	Other materials, supplies, and intermediate products.....	137,114	136,206	135,555	+0.7	+0.5	+0.9	136,420	135,592	134,974	126,212	+8.1	
	Supplementary series: ²												
	Capital goods industries.....	119,257	118,529	117,620	+0.6	+0.8	+0.8	119,592	119,384	118,004	110,220	+8.5	
	Nondefense.....	84,021	83,119	82,781	+1.1	+0.4	+0.2	84,309	83,553	82,769	76,448	+10.3	
	Excluding aircraft and parts.....	63,610	63,401	63,013	+0.3	+0.6	+1.3	63,529	63,365	62,742	58,014	+9.5	
	Defense.....	35,236	35,410	34,839	-0.5	+1.6	+2.3	35,283	35,831	35,235	33,772	+4.5	
	Household durable goods industries.....	12,760	12,600	12,614	+1.3	-0.1	0.0	12,218	12,307	12,400	12,329	-9.9	

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)												
SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted				Percent change
		End of month			Percent change			End of month				
		Nov. 1988P	Oct. 1988P	Sept. 1988	Oct.- Nov.P	Sept.- Oct.P	Aug.- Sept.	Nov. 1988P	Oct. 1988P	Sept. 1988	Nov. 1987P	
	MATERIALS AND SUPPLIES											
	All manufacturing industries.....	113,071	112,935	112,617	+0.1	+0.3	+0.6	112,014	112,233	112,055	104,121	+7.6
	Durable goods industries.....	65,297	65,324	65,253	0.0	+0.1	+0.4	65,052	65,263	65,482	60,612	+7.3
32	Stone, clay, and glass products.....	2,439	2,424	2,409	+0.6	+0.6	+0.5	2,416	2,394	2,403	2,255	+7.1
33	Primary metals.....	6,105	6,085	6,148	+0.3	-1.0	+0.3	6,319	6,239	6,236	5,615	+12.5
34	Fabricated metal products.....	8,450	8,439	8,430	+0.1	+0.1	-1.7	8,373	8,292	8,454	7,764	+7.8
35	Machinery, except electrical.....	12,827	13,150	13,062	-2.5	+0.7	+2.4	12,790	13,148	13,028	11,811	+8.3
36	Electrical machinery.....	11,286	11,027	10,799	+2.3	+2.1	+0.8	10,977	10,908	10,814	9,958	+10.2
37	Transportation equipment.....	12,495	12,670	12,968	-1.4	-2.3	-0.2	12,524	12,693	13,077	12,483	+3
38	Instruments and related products.....	4,771	4,647	4,586	+2.7	+1.3	+1.5	4,707	4,636	4,612	4,155	+13.3
24, 25, 29	All other durable goods.....	6,924	6,882	6,851	+0.6	+0.5	-0.9	6,946	6,953	6,858	6,571	+5.7
	Nondurable goods industries.....	47,774	47,611	47,364	+0.3	+0.5	+0.9	46,962	46,970	46,573	43,509	+7.9
20	Food and kindred products.....	9,349	9,358	9,422	-0.1	-0.7	+1.6	9,603	9,482	9,959	9,061	+6.0
21	Tobacco products.....	4,468	4,533	4,405	-1.4	+2.9	-0.5	4,322	4,329	4,235	4,508	-4.1
22	Textile mill products.....	2,355	2,319	2,332	+1.6	-0.6	-0.5	2,222	2,196	2,278	2,151	+3.3
26	Paper and allied products.....	6,639	6,550	6,511	+1.4	+0.6	+1.0	6,571	6,414	6,455	5,690	+15.1
28	Chemicals and allied products.....	9,845	9,689	9,576	+1.6	+1.2	+0.9	9,630	9,628	9,559	8,499	+13.5
29	Petroleum and coal products.....	2,177	2,279	2,334	-4.5	-2.4	-1.5	2,198	2,264	2,275	2,552	-13.9
30	Rubber and plastics products.....	4,168	4,169	4,089	0.0	+2.0	+3.3	4,035	4,072	4,023	3,387	+19.1
23, 27, 31	All other nondurable goods.....	8,773	8,714	8,695	+0.7	+0.2	+0.8	8,381	8,585	8,789	7,661	+9.4
	WORK IN PROCESS											
	All manufacturing industries.....	125,585	124,411	123,550	+0.9	+0.7	+0.4	126,195	125,581	124,507	118,406	+6.6
	Durable goods industries.....	106,447	105,239	104,440	+1.1	+0.8	+0.5	106,890	106,267	105,387	99,638	+7.3
32	Stone, clay, and glass products.....	1,085	1,115	1,121	-2.7	-0.5	+0.4	1,035	1,074	1,109	1,014	+2.1
33	Primary metals.....	8,325	8,155	7,962	+2.1	+2.4	+2.6	8,174	8,097	7,979	7,012	+16.6
34	Fabricated metal products.....	8,326	8,395	8,285	-0.8	+1.3	+1.5	8,267	8,458	8,308	8,032	+2.9
35	Machinery, except electrical.....	18,107	17,760	17,942	+2.0	-1.0	+1.2	18,255	17,881	18,092	16,967	+7.6
36	Electrical machinery.....	19,569	19,461	19,606	+0.6	-0.7	-0.3	19,757	19,739	19,810	20,109	-1.8
37	Transportation equipment.....	42,233	41,654	40,763	+1.4	+2.2	+0.3	42,712	42,535	41,351	38,210	+11.8
38	Instruments and related products.....	5,190	5,167	5,249	+0.4	-1.6	-0.6	5,166	5,196	5,269	4,812	+7.4
24, 25, 29	All other durable goods.....	3,612	3,532	3,512	+2.3	+0.6	-0.9	3,524	3,469	3,469	3,482	+1.2
	Nondurable goods industries.....	19,138	19,172	19,110	-0.2	+0.3	-0.3	19,305	19,314	19,120	18,768	+2.9
20	Food and kindred products.....	2,805	2,853	2,747	-1.7	+3.9	+6.6	2,870	2,905	2,733	2,650	+8.3
21	Tobacco products.....	229	224	250	+2.2	-10.4	-6.7	321	359	285	181	+77.3
22	Textile mill products.....	2,332	2,322	2,274	+0.4	+2.1	-2.2	2,323	2,311	2,256	2,227	+4.3
26	Paper and allied products.....	1,253	1,268	1,288	-1.2	-1.6	-0.6	1,264	1,268	1,292	1,247	+1.4
28	Chemicals and allied products.....	4,269	4,239	4,133	+0.7	+2.6	-1.4	4,261	4,259	4,183	3,907	+9.1
29	Petroleum and coal products.....	2,314	2,370	2,450	-2.4	-3.3	-1.1	2,454	2,439	2,407	2,843	-13.7
30	Rubber and plastics products.....	1,412	1,400	1,385	+0.9	+1.1	-2.5	1,412	1,383	1,433	1,245	+13.4
23, 27, 31	All other nondurable goods.....	4,524	4,496	4,583	+0.6	-1.9	-0.5	4,400	4,390	4,531	4,468	-1.5
	FINISHED GOODS											
	All manufacturing industries.....	112,196	112,066	111,618	+0.1	+0.4	+0.8	111,367	110,885	109,826	104,992	+6.1
	Durable goods industries.....	59,495	59,172	58,521	+0.5	+1.1	+1.5	58,381	57,753	56,946	53,875	+8.4
32	Stone, clay, and glass products.....	3,907	4,012	3,859	-2.6	+4.0	+2.1	3,779	3,777	3,695	3,708	+1.9
33	Primary metals.....	5,569	5,585	5,434	-0.3	+2.8	+1.5	5,468	5,428	5,337	5,191	+5.3
34	Fabricated metal products.....	6,598	6,596	6,781	0.0	-2.7	+3.9	6,459	6,415	6,535	6,452	+1
35	Machinery, except electrical.....	15,086	15,082	14,793	0.0	+2.0	+1.1	14,997	14,807	14,996	12,716	+17.9
36	Electrical machinery.....	9,815	9,522	9,392	+3.1	+1.4	-0.1	9,507	9,343	9,226	8,874	+7.2
37	Transportation equipment.....	7,442	7,254	7,202	+2.6	+0.7	+3.2	7,586	7,318	7,083	6,752	+12.4
38	Instruments and related products.....	3,817	3,764	3,678	+1.4	+2.3	+0.7	3,785	3,755	3,640	3,526	+7.3
24, 25, 29	All other durable goods.....	7,261	7,357	7,382	-1.3	-0.3	+0.5	6,800	6,910	7,134	6,656	+2.2
	Nondurable goods industries.....	52,701	52,894	53,097	-0.4	-0.4	0.0	52,986	53,132	52,880	51,117	+3.7
20	Food and kindred products.....	13,643	13,580	13,573	+0.5	+0.1	-1.9	14,632	14,591	14,279	14,068	+4.0
21	Tobacco products.....	1,038	1,053	1,108	-1.4	-5.0	-4.1	1,092	1,184	1,054	982	+11.2
22	Textile mill products.....	3,012	2,979	2,939	+1.1	+1.4	-4.2	2,917	2,899	2,874	2,920	-1
26	Paper and allied products.....	4,009	4,017	3,976	-0.2	+1.0	+1.8	3,904	3,861	3,790	3,885	+5
28	Chemicals and allied products.....	13,118	13,132	13,173	-0.1	-0.3	+2.4	13,108	12,839	12,596	12,197	+7.5
29	Petroleum and coal products.....	4,234	4,443	4,552	-4.7	-2.4	-2.6	4,453	4,365	4,659	5,102	-12.7
30	Rubber and plastics products.....	4,742	4,729	4,615	+0.3	+2.5	+3.3	4,520	4,486	4,440	4,138	+9.2
23, 27, 31	All other nondurable goods.....	8,905	8,961	9,161	-0.6	-2.2	+0.2	8,360	8,707	9,188	7,825	+6.8

P Preliminary. R Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

SIC Code	Industry	(Based on seasonally adjusted data)							
		Inventory/shipments ratio				Unfilled orders/shipments ratio ¹			
		Nov. 1988P	Oct. 1988P	Sept. 1988	Aug. 1988	Nov. 1988P	Oct. 1988P	Sept. 1988	Aug. 1988
	All manufacturing industries.....	1.57	1.57	1.57	1.56	3.71	3.70	3.66	3.68
	Durable goods industries.....	1.94	1.94	1.93	1.92	4.50	4.49	4.43	4.46
32	Stone, clay, and glass products.....	1.32	1.39	1.37	1.34	1.14	1.17	1.18	1.18
33	Primary metals.....	1.58	1.60	1.58	1.61	1.99	2.06	2.06	2.11
34	Fabricated metal products.....	1.89	1.93	1.95	1.96	2.51	2.59	2.62	2.65
35	Machinery, except electrical.....	2.22	2.19	2.16	2.10	3.04	2.98	2.94	2.89
36	Electrical machinery.....	2.13	2.11	2.06	2.08	4.93	4.89	4.78	4.87
37	Transportation equipment.....	2.01	1.99	2.03	1.98	11.68	11.41	11.26	11.29
38	Instruments and related products.....	2.32	2.24	2.20	2.22	2.37	2.31	2.24	2.28
	Nondurable goods industries.....	1.14	1.15	1.16	1.15	0.79	0.78	0.79	0.79
20	Food and kindred products.....	0.84	0.84	0.85	0.85	(X)	(X)	(X)	(X)
21	Tobacco products.....	2.64	3.04	2.85	3.17	(X)	(X)	(X)	(X)
22	Textile mill products.....	1.50	1.56	1.49	1.56	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products.....	1.10	1.11	1.12	1.10	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products.....	1.28	1.29	1.33	1.28	(X)	(X)	(X)	(X)
29	Petroleum and coal products.....	0.89	0.89	0.91	0.90	(X)	(X)	(X)	(X)
30	Rubber and plastics products.....	1.31	1.30	1.28	1.25	(X)	(X)	(X)	(X)

P Preliminary. R Revised. (X) Not applicable. (NA) Not available.

¹ Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

SIC Code	Industry	(Based on seasonally adjusted data)											
		Shipments			New orders			Unfilled orders			Inventories		
		Year ago	All Nov. 1983-1987	Nov. 1987-1988	Year ago	All Nov. 1983-1987	Nov. 1987-1988	Year ago	All Nov. 1983-1987	Nov. 1987-1988	Year ago	All Nov. 1983-1987	Nov. 1987-1988
		Nov. 1987	Nov. 1987	Oct. 1988	Nov. 1987	Nov. 1987	Oct. 1988	Nov. 1987	All Nov. 1983-1987	Nov. 1987-1988	Nov. 1987	All Nov. 1983-1987	Oct. 1988
	All manufacturing industries....	0.0	0.2	0.2	0.5	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1
	Durable goods industries.....	0.3	0.2	0.2	1.0	0.5	0.4	0.2	0.1	0.1	0.3	0.1	0.1
32	Stone, clay, and glass products.....	1.6	0.8	0.6	0.7	1.3	0.5	1.9	1.7	0.5	0.1	0.4	0.2
33	Primary metals.....	1.6	1.0	0.5	2.9	1.2	1.0	0.7	0.2	0.4	0.6	0.4	0.4
34	Fabricated metal products.....	0.8	0.9	0.4	1.7	1.4	0.8	0.5	0.4	0.3	0.1	0.2	0.1
35	Machinery, except electrical.....	3.7	1.4	0.7	2.6	0.9	1.2	0.2	0.2	0.3	0.3	0.2	0.2
36	Electrical machinery.....	0.1	0.4	0.5	0.8	1.1	0.7	0.2	0.2	0.1	0.4	0.1	0.2
37	Transportation equipment.....	0.0	0.3	0.2	1.5	1.2	0.5	0.2	0.2	0.1	0.7	0.4	0.1
38	Instruments and related products.....	0.7	1.1	0.8	1.0	1.4	1.1	0.2	0.2	0.4	0.2	0.3	0.2
	Nondurable goods industries.....	0.1	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.7	0.2	0.2	0.1
20	Food and kindred products.....	0.3	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.3
21	Tobacco products.....	0.7	0.2	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.0	0.1
22	Textile mill products.....	0.5	1.8	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.8	0.5
26	Paper and allied products.....	0.1	0.8	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.3	0.1
28	Chemicals and allied products.....	0.0	0.6	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6	0.2
29	Petroleum and coal products.....	0.9	1.2	0.7	(X)	(X)	(X)	(X)	(X)	(X)	1.3	0.7	0.6
30	Rubber and plastics products.....	1.8	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4	0.3
	Capital goods industries:												
	Nondefense.....	1.5	1.1	0.4	1.9	1.2	0.8	0.1	0.0	0.1	0.2	0.2	0.1
	Defense.....	0.1	0.6	0.7	3.9	3.9	1.6	0.2	0.2	0.0	0.3	0.4	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, \$300



POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

PUBLICATION DATES FOR THE 1989 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
January 1989	Thurs., Feb. 23	Fri., Mar. 3
February	Wed., Mar. 22	Thur., Mar. 30
March	Tue., Apr. 25	Tue., May 2
April	Tues., May 23	Wed., May 31
May	Fri., June 23	Fri., June 30
June	Tues., July 25	Wed., Aug. 2
July	Tues., Aug. 22	Thur., Aug. 31
August	Tues., Sept. 26	Tues., Oct. 3
September	Tues., Oct. 24	Wed., Nov. 1
October	Wed., Nov. 22	Mon., Dec. 4
November	Fri., Dec. 22	Wed., Jan. 3, 1990
December	Thurs., Jan. 25, 1990*	Thur., Feb. 1, 1990

